

MATERIAL SAFETY DATA SHEET

WINFIELD SOLUTIONS, LLC

MSDS NUMBER: 10101

DATE REVISED: 12/04/2009

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Surf-King Plus
DESCRIPTION: Non-ionic surfactant blend

MANUFACTURED FOR:
WINFIELD SOLUTIONS, LLC
P.O. Box 64589
St. Paul, MN 55164

EMERGENCY CONTACT: In the event of chemical emergencies involving a spill, leak, fire exposure, or accident involving chemicals -- call **CHEMTREC (800) 424-9300**.

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>COMPONENTS</u>		<u>% BY WEIGHT</u>
Proprietary Blend of Adjuvants and Formulation Aids		95%
HAZARDOUS INGREDIENTS:	Percent	Threshold Limit Value
Glycol butyl ether	< 10%	25 ppm (skin)
Alkylarylpoloxyethanol	< 80%	eye irritant
Phosphoric acid	< 5%	1 ppm
Oleic acid	< 10%	Irritant

3. HAZARDS IDENTIFICATION

***** **EMERGENCY OVERVIEW** *****

Viscous green liquid with slightly fatty acid odor. Prolonged contact may be irritating to eyes and skin. Vapors or mist may be irritating and cause discomfort in nose and throat. May be toxic if swallowed.

POTENTIAL HEALTH EFFECTS:

EYE:

May cause severe eye irritation upon direct contact.

SKIN:

Prolonged contact with skin may cause drying and irritation.

INHALATION:

Inhalation of high mist concentrations may cause headaches and dizziness.

INGESTION:

Harmful if swallowed.

4. FIRST AID MEASURES

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

OTHER INSTRUCTIONS:

Contact a Poison Center for further treatment information.

5. FIRE FIGHTING MEASURES**FLASH POINT (Method):**

>200°F (TCC)

AUTOIGNITION TEMPERATURE:

Not determined

FLAMMABLE LIMITS:

Lower: Not determined

Upper: Not determined

EXTINGUISHING MEDIA:

Use dry chemical, foam or carbon dioxide (CO₂) to extinguish flames. Use water spray to cool fire-exposed containers and to protect personnel.

SPECIAL FIRE FIGHTING PROCEDURES:

Do not enter fire area without proper protection. Use SCBA and wear protective gear. Fight fire from a safe distance and protected location. Heat may build pressure and rupture closed containers, spreading fire and increasing the risk of injury. Water may be ineffective in fire fighting. Use water spray/fog for cooling containers and firefighters. Notify proper authorities if liquid material enters the sewer or public waters.

6. ACCIDENTAL RELEASE MEASURES**ACCIDENTAL RELEASE:**

Ventilate area. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing.

An unauthorized release of this material to the environment may be reportable under federal law to the National Response Center. Also, state and local authorities may have additional reporting requirements of which the user of this material should be aware. Use emergency response personnel if spill is beyond the capability of in-house personnel. For small spills, dike and absorb spilled liquid with an inert absorbent. Prevent entry into sewers or waterways. Wear appropriate personal protective equipment and avoid contact with skin, eyes or clothing.

7. HANDLING AND STORAGE**HANDLING:**

Avoid prolonged or repeated breathing of vapor or spray mists. Avoid contact with eyes, skin or clothing. Do not take internally. Always wear protective gear.

STORAGE:

Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**RESPIRATORY PROTECTION:**

For most conditions, no respiratory protection should be needed; however, use NIOSH/MSHA approved organic vapor respirator as necessary.

EYE PROTECTION:

Wear OSHA safety glasses, chemical safety glasses.

SKIN PROTECTION:

Wear impervious gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE:**

Viscous, green liquid

ODOR:	Slight fatty acid odor
PH (0. 5%):	3-4
SPECIFIC GRAVITY:	1.05 (+/- 0.05)
FLASH POINT:	>200°F (TCC)
COLOR (GARDNER):	NA
SOLUBILITY IN WATER:	Complete, hazy

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:

Stable at ambient temperatures and atmospheric pressure.

CONDITIONS TO AVOID:

Incompatible with acids and strong oxidizing agents.

HAZARDOUS DECOMPOSITION:

Incomplete combustion may yield carbon monoxide and other hazardous gas.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL:

Not determined

ACUTE DERMAL:

Not determined

12. ECOLOGICAL INFORMATION

No information available

13. DISPOSAL CONSIDERATIONS

This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form.

Any disposal practice must be in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules). Empty containers must be handled with care due to product residue.

14. TRANSPORTATION INFORMATION

DOT SHIPPING DESCRIPTION:

Not regulated

15. REGULATORY INFORMATION

SARA 313 INFORMATION:

This product contains the following toxic chemicals subject to the reporting requirements of SARA Title III, Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372.

CAS#	Chemical name	Percent of Weight
N/A	Glycol Ethers	5%
7664-38-2	Phosphoric Acid	3%

16. OTHER INFORMATION

A maximum of 1 ppm of ethylene oxide (EO) (75-21-8) may be present in this product. The OSHA PEL and the ACGIH TLV EO are 1 (one) ppm. Ethylene oxide is a NTP, IARC, and OSHA carcinogen. EO has also been determined to be a reproductive hazard. The trace levels of EO in this product are not expected to result in acute or long-term hazards when handled according to the precautions set forth in this MSDS. However, EO may accumulate in the container headspace and be released into the ambient environment. It is the responsibility of the employer to comply with OSHA ethylene oxide standards (29 CFR 1910.1047).

DISCLAIMER OF LIABILITY

Winfield Solutions, LLC makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of this product. Since actual use by others is beyond our control; no warranty, expressed or implied, is made by Winfield Solutions, LLC as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does Winfield Solutions, LLC assume liability arising out of the use by others of this product referred to herein. The data in this MSDS relates only to the specific material designated herein and does not relate to use in combination with any other materials or in any process.